

18. Instrument Panel Assembly

A: REMOVAL

CAUTION:

Take care of the following when removing the instrument panel from the vehicle body.

- Refer to “CAUTION” of “General Description” before starting the work. <Ref. to AB-4, CAUTION, General Description.>
- Be sure to disconnect each harness connector. Applying excessive force may damage the harness.
- Be careful to the harness of airbag system. Damage of the harness may cause the airbag system malfunction.
- Take care not to damage the interior trims when removing the instrument panel from the vehicle body.

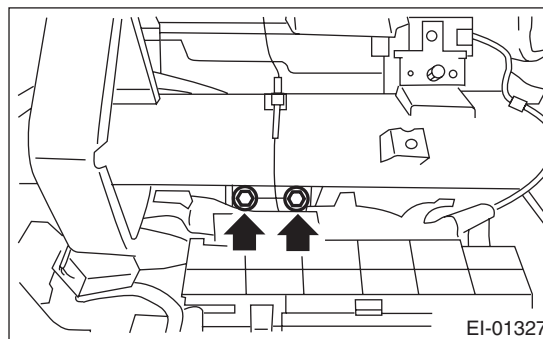
NOTE:

- Putting alignment marks to each connector as necessary facilitates the reassembly work.
- When storing the removed instrument panel, be sure to prepare a table or the like to put the instrument panel on in order to prevent damage.

1. INSTRUMENT PANEL UPPER

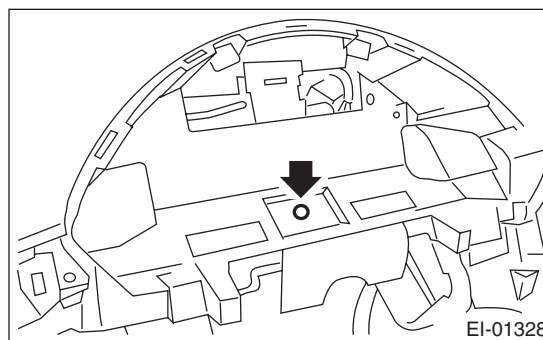
- 1) Disconnect the ground cable from battery and wait for at least 20 seconds before starting work.
- 2) Remove the console box. <Ref. to EI-40, REMOVAL, Console Box.>
- 3) Remove the instrument panel lower cover. <Ref. to EI-38, REMOVAL, Instrument Panel Lower Cover.>
- 4) Remove the glove box. <Ref. to EI-39, REMOVAL, Glove Box.>
- 5) Remove the center console. <Ref. to EI-41, REMOVAL, Center Console.>
- 6) Remove the audio unit. <Ref. to ET-13, REMOVAL, Audio.>
- 7) Remove the combination meter assembly. <Ref. to IDI-12, REMOVAL, Combination Meter.>
- 8) Remove the upper grille. <Ref. to AC-51, UPPER GRILL, REMOVAL, Air Vent Grille.>
- 9) Remove the multi function display or navigation monitor, and warning box. <Ref. to ET-22, REMOVAL, Navigation Display.>
- 10) Remove the front pillar upper trim. <Ref. to EI-45, REMOVAL, Side Trim.>

- 11) Remove the mounting bolts of the passenger's side airbag module.

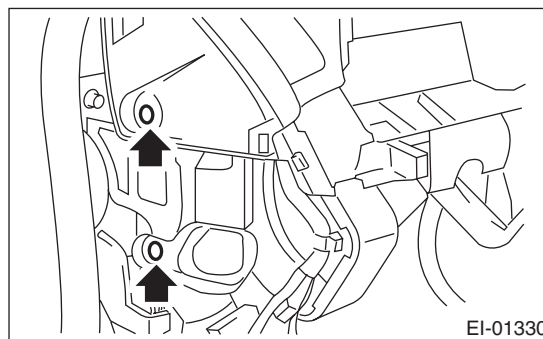


- 12) Remove the following screws.

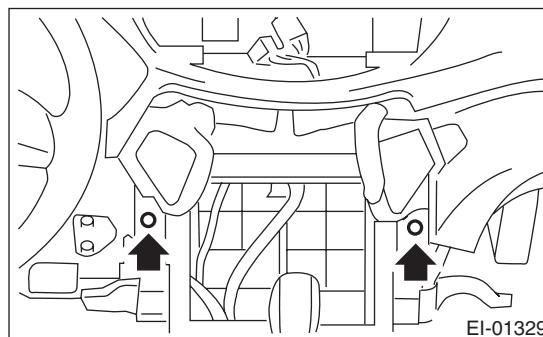
- In combination meter house



- At the sides (left and right) of instrument panel



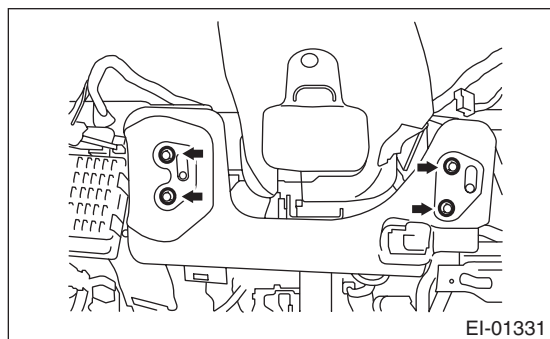
- Instrument panel center



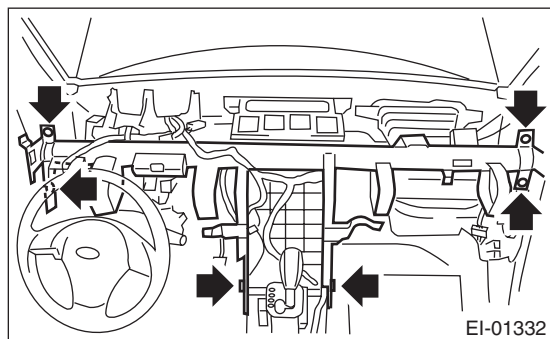
- 13) Make sure that the instrument panel upper is removed from the steering support beam
- 14) Disconnect the connectors, and remove the instrument panel from vehicle body.
- 15) Remove the heater vent duct. <Ref. to AC-53, REMOVAL, Heater Vent Duct.>
- 16) Remove the air vent grille. <Ref. to AC-51, REMOVAL, Air Vent Grille.>
- 17) Remove the passenger airbag module. <Ref. to AB-15, REMOVAL, Passenger's Airbag Module.>

2. STEERING SUPPORT BEAM

- 1) Remove the instrument panel upper.
- 2) Remove the bolts, and then remove the knee guard plate.



- 3) Remove the steering shaft from the steering support beam. <Ref. to PS-16, REMOVAL, Tilt Steering Column.>
- 4) Remove the bolts and remove the steering support beam.



3. INSTRUMENT PANEL ASSEMBLY

- 1) Disconnect the ground cable from battery and wait for at least 20 seconds before starting work.
- 2) Remove the console box. <Ref. to EI-40, REMOVAL, Console Box.>
- 3) Remove the instrument panel lower cover. <Ref. to EI-38, REMOVAL, Instrument Panel Lower Cover.>
- 4) Remove the glove box. <Ref. to EI-39, REMOVAL, Glove Box.>
- 5) Remove the center console. <Ref. to EI-41, REMOVAL, Center Console.>
- 6) Remove the front pillar upper trim. <Ref. to EI-45, REMOVAL, Side Trim.>
- 7) Remove the steering shaft from the steering support beam. <Ref. to PS-16, REMOVAL, Tilt Steering Column.>
- 8) Disconnect the connectors, and remove the instrument panel from vehicle body.
- 9) Remove the bolts and remove the steering support beam.

NOTE:

For positions of the mounting bolt of steering support beam, refer to the removal procedure of the steering support beam.

- 10) Make sure that the each harness connector is disconnected, and remove the instrument panel assembly from the vehicle body.

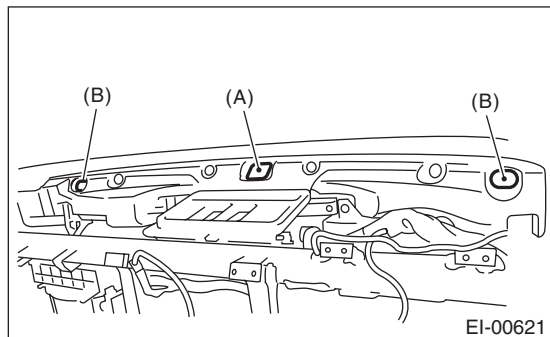
NOTE:

Remove the passenger's side door trim to facilitate the work.

B: INSTALLATION

1. INSTRUMENT PANEL UPPER

1) Insert the matching pins (three places) on the instrument panel tip into the grommet (A) and (B) on the body panel side.



- 2) Check that the matching pins are inserted securely, and then route the harness.
- 3) Tighten the instrument panel with screws, and recheck the installation condition of instrument panel and harness routing.
- 4) Install in the reverse order of removal.

NOTE:

How to install insulator and pad;

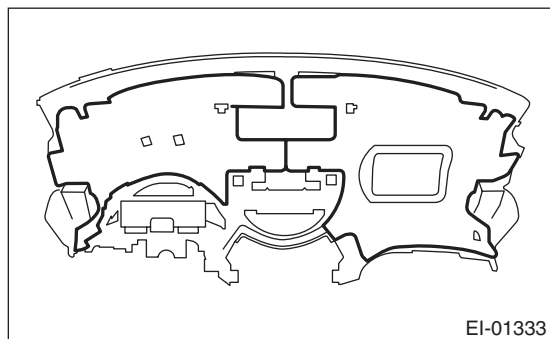
- Adhesive

Use polyurethane adhesive. When assembling the instrument panel assembly, wait until the adhesive has evaporated to prevent filling of the smell in the compartment.

- Double-sided tape

Use commercial double-sided tape. (Use strong double-sided adhesive tape.)

- Install locations



2. STEERING SUPPORT BEAM

- 1) Temporarily tighten the steering support beam with bolts, and then route the harness.
- 2) Make sure that there is no mutual interference in each pedal, and then tighten each bolt.

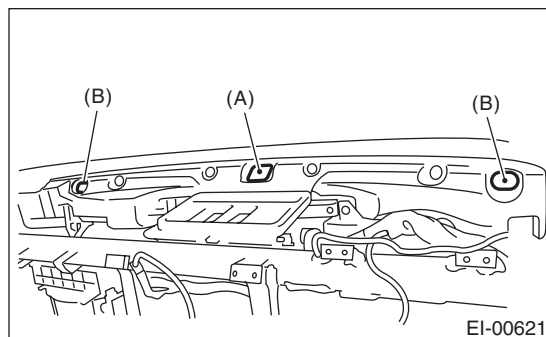
Tightening torque:

25 N·m (25.5 kgf-m, 18 ft-lb)

- 3) Install in the reverse order of removal.

3. INSTRUMENT PANEL ASSEMBLY

1) Insert the matching pins (three places) on the instrument panel tip into the grommet (A) and (B) on the body panel side.



- 2) Check that the matching pins are inserted securely, and then route the harness.
- 3) Temporarily tighten the steering support beam with bolts, and then route the harness.
- 4) Make sure that there is no mutual interference in each pedal, and then tighten each bolt.

Tightening torque:

25 N·m (25.5 kgf-m, 18 ft-lb)

- 5) Install in the reverse order of removal.